

PROJECT INFORMATION

Project Title	Hirschman's Pond Healthy Forest Initiative
Brief Description	<p>The proposal is an effort to complete pre-project planning, assessment and permitting for a brush and ladder-fuels reduction project on 36.33 acres at Hirschman's Pond, adjacent to downtown Nevada City. The proposal is offered by a partnership comprising Sierra Streams Institute (SSI) and the city of Nevada City, owners of the project land. Hirschman's pond was created as a result of extensive hydraulic mining in the 19th century. Located just across Hwy 49 from downtown Nevada City, today it is a scenic and peaceful forested retreat for area residents and a haven for wildlife. The city purchased the land around and including the pond in 2004-2007 in order to preserve it for recreational purposes in perpetuity. A trail system funded through California State Parks has been developed in the area.</p> <p>The property is infested by non-native plants, primarily Scotch broom and Himalayan blackberry. These non-native plants greatly increase the fire danger and their presence is contrary to the objectives of the City for management of the property, as stated in the city's Hirschmans Pond Vision and Planning Study 2010. The city's long term goal is complete removal of all non-native vegetation from the site and replanting with native vegetation, in order to improve habitat for native wildlife and reduce fire risk.</p> <p>The project scope would include the development of a Forest Management Plan for Hirschman's Pond, with the goal of guiding management of the property to maintain a healthy forest that provides for the regeneration of young trees to insure that the forest is maintained in perpetuity. Once the plan is developed, we will complete planning and permitting for the revegetation effort. The program would employ selective thinning strategies that have emerged as a new standard for fire prevention and control in forest ecosystems, involving the removal or modification of surface fuels, the felling of excess snags, prescriptive fires, and mechanical thinning to decrease overall stand density. Selective reduction in tree density through careful thinning improves tree growth and vigor, increases live crown ratios, reduces insect and disease mortality, and promotes understory shrub development.</p> <p>Activities</p> <ol style="list-style-type: none"> 1. Conduct desktop survey of aerial photos, topographical maps, and cultural resources survey in order to guide restoration. 2. Conduct on-the-ground surveys including topographical, vegetation and bird surveys in order to develop a restoration and firesafe plan. 3. Work with city of Nevada City to secure all necessary permits and CEQA compliance. 4. Develop project plan for firesafe and ecological restoration. <p>Overall Project Outcomes</p> <ol style="list-style-type: none"> 1. Invasive Species Removal: Reduction of competitive pressures on native flora; Reduction in amount of non-native species

	2. Revegetation: Preservation and encouragement of native biodiversity and rare/endangered species 3. Fire Safety: Reduction of fuel load accumulation
Total Requested Amount	75,000.00
Other Fund Proposed	17,250.00
Total Project Cost	92,250.00
Project Category	Pre-Project Due Diligence
Project Area/Size	0
Project Area Type	Acres
Have you submitted to SNC this fiscal year?	No
Is this application related to other SNC funding?	No

Project Results
Environmental site assessment (Phase I/II)

Project Purpose	Project Purpose Percent
Natural Disaster Risk Reduction (Fire)	

County
Nevada

Sub Region
Central

PROJECT CONTACT INFORMATION

Name	Ms. Joanne Hild,
Title	Executive Director
Organization	Sierra Streams Institute
Primary Address	431 Uren Street, Suite C, , , Nevada City, CA, 95959
Primary Phone/Fax	530-265-6090 Ext. 200
Primary Email	joanne@sierrastreamsinstitute.org

PROJECT LOCATION INFORMATION

Project Location

Address:	115 Cement Hill Rd., , , Nevada City, CA, 95959 United States
Water Agency:	Nevada Irrigation District
Latitude:	39.2684
Longitude:	-121.0350
Congressional District:	n/a
Senate:	n/a
Assembly:	n/a
Within City Limits:	No
City Name:	

ADDITIONAL INFORMATION

Grant Application Type

Grant Application Type: Category Two Pre-Project Activities
Grant Application Type: Category Two Pre-Project Activities

PROJECT OTHER CONTACTS INFORMATION

Other Grant Project Contacts

Name:	Ms. Joanne Hild,
Project Role:	Day-to-Day Responsibility
Phone:	5302656090
Phone Ext:	
E-mail:	joanne@friendsofdeercreek.org

UPLOADS

The following pages contain the following uploads provided by the applicant:

Upload Name
Completed Application Checklist
Full Application Form
Authorization to Apply or Resolution
Narrative Descriptions
Detailed Budget Form
Restrictions/Agreements
Letters of Support
Project Location Map
Parcel Map Showing County Assessors Parcel Number
Topographic Map
Photos of the Project Site
Photos of the Project Site
Photos of the Project Site
Photos of the Project Site

Photos of the Project Site
Table of Contents

To preserve the integrity of the uploaded document, headers, footers and page numbers have not been added by the system.

Appendix B1

Full Application Checklist

Project Name: Hirschmans Pond Healthy Forest Initiative

Applicant: Sierra Streams Institute

Please mark each box: check if item is included in the application; mark "N/A" if not applicable to the project. "N/A" identifications must be explained in the application. Please consult with SNC staff prior to submission if you have any questions about the applicability to your project of any items on the checklist. All applications must include a CD including an electronic file of each checklist item, if applicable. The naming convention for each electronic file is listed after each item on the checklist. (Electronic File Name = EFN: "naming convention". file extension choices)

Submission requirements for all Category One and Category Two Grant Applications

1. ☒ Completed Application Checklist (EFN: Checklist.doc, .docx, .rtf, or .pdf)
2. ☒ Table of Contents (EFN: TOC.doc, .docx, .rtf, or .pdf)
3. ☒ Full Application Project Information Form (EFN: SIform.doc, .docx, .rtf, or .pdf)
4. ☒ Authorization to Apply or Resolution (EFN: authorization.doc, .docx, .rtf, or .pdf)
5. ☒ Narrative Descriptions - Submit a single document that includes each of the following narrative descriptions (EFN: Narrative.doc, .docx, .rtf)
 - a. ☒ Detailed Project Description (5,000 character maximum)
 - ☒ Project Description including Goals/Results, Scope of Work, Location, Purpose, etc.
 - ☒ Project Summary
 - ☒ Environmental Setting
 - b. ☒ Workplan and Schedule (1,000 character maximum)
 - c. ☒ Restrictions, Technical/Environmental Documents and Agreements(1,000 character maximum)
 - d. ☒ Organizational Capacity(1,000 character maximum)
 - e. ☒ Cooperation and Community Support (1,000 character maximum)
 - f. ☒ Long Term Management and Sustainability (1,000 character maximum)
 - g. ☒ Performance Measures (1,000 character maximum)
6. Supplemental and Supporting documents
 - a. ☒ Detailed Budget Form (EFN: Budget.xls, .xlsx)
 - b. Restrictions, Technical/Environmental Documents and Agreements, as applicable
 - ☒ Restrictions / Agreements (EFN: RestAgree.pdf)
 - ☐ Regulatory Requirements / Permits (EFN: RegPermit.pdf)

- ☐ California Environmental Quality Act (CEQA) documentation (EFN: CEQA.pdf)
- ☐ National Environmental Policy Act (NEPA) documentation (EFN: NEPA.pdf)
- c. Cooperation and Community Support
 - ☒ Letters of Support (EFN: LOS.pdf)
- d. Long-Term Management and Sustainability NOT APPLICABLE
 - ☐ Long-Term Management Plan (EFN: LTMP.pdf)
- e. Maps and Photos
 - ☒ Project Location Map (EFN: LocMap.pdf)
 - ☒ Parcel Map showing County Assessor's Parcel Number(s) (EFN: ParcelMap.pdf)
 - ☒ Topographic Map (EFN: Topo.pdf)
 - ☒ Photos of the Project Site (10 maximum) (EFN: Photo.jpg, .gif)
- f. Additional submission requirements for Conservation Easement Acquisition applications only
 - ☐ Acquisition Schedule (EFN: acqSched.doc, .docx, .rtf, .pdf)
 - ☐ Willing Seller Letter (EFN: WillSell.pdf)
 - ☐ Real Estate Appraisal (EFN: Appraisal.pdf)
 - ☐ Conservation Easement Language (EFN: CE.pdf)
- g. Additional submission requirements for Site Improvement / Restoration Project applications only
 - ☐ Land Tenure Documents – attach only if documentation was not included with Pre-application (EFN: Tenure.pdf)
 - ☐ Site Plan (EFN: SitePlan.pdf)
 - ☐ Leases or Agreements (EFN: LeaseAgmnt.pdf)

I certify that the information contained in the Application, including required attachments, is accurate.


Signed _____
(Authorized Representative)

1/19/2012

Date

Joanne Hild, Executive Director

Name and Title (print or type)

2. Table of Contents

1.	Completed Checklist	-----	1
2.	Table of Contents	-----	3
3.	Application form	-----	4
4.	Board Authorization to Apply	-----	6
5.	Narrative Descriptions	-----	7
6a.	Detailed Budget Form	-----	17
6b.	Restrictions/Agreements	-----	18.
6c.	Cooperation and Community Support	-----	19.
6d.	Long term Management	-----	22.
6e.	Maps and Photos	-----	23.

Appendix B2

SIERRA NEVADA CONSERVANCY PROPOSITION 84 - PROJECT INFORMATION FORM		Rev. August 2011
PROJECT NAME Hirschman's Pond Healthy Forest Initiative		
APPLICANT NAME <i>(Legal name, address, and zip code)</i> Sierra Streams Institute 431 Uren Street Suite C Nevada City, CA 95959		
PERSON WITH FISCAL MANAGEMENT RESPONSIBILITY FOR GRANT CONTRACT/INVOICING <div style="display: flex; justify-content: space-between; font-size: small;"> <i>Name and title – type or print</i> <i>Phone</i> <i>Email Address</i> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms. Joanne Hild (530)265-6090 x200 joanne@sierrastreams.org </div>		
COUNTY ADMINISTRATOR OR PLANNING DIRECTOR CONTACT INFORMATION <i>(At least one entry is required)</i>		
<div style="display: flex; justify-content: space-between;"> Name: Brian Foss Phone Number: (530)265-1222 </div> <div style="margin-top: 10px;"> Email address: planning@co.nevada.ca.us </div>		
<div style="display: flex; justify-content: space-between;"> Name: Cindy Siegfried Phone Number: (530)265-2496 </div> <div style="margin-top: 10px;"> Email address: cindy.siegfried@co.nevada.ca.us </div>		
NEAREST PUBLIC WATER AGENCY (OR AGENCIES) CONTACT INFORMATION <i>(At least one entry is required)</i>		
<div style="display: flex; justify-content: space-between;"> Name: Nevada Irrigation District Phone Number: (530)273-6185 </div> <div style="margin-top: 10px;"> Email address: admindepartment@nid.dst.ca.us </div>		
<div style="display: flex; justify-content: space-between;"> Name: City of Nevada City Phone Number: (530)265-2496 </div> <div style="margin-top: 10px;"> Email address: corey.shaver@co.nevada.ca.us </div>		
Please identify the appropriate project category below and provide the associated details <i>(Choose One)</i>		
<div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Category One Site Improvement <input checked="" type="checkbox"/> Category Two Pre-Project Activities </div> <div style="margin-top: 5px;"> <input type="checkbox"/> Category One Conservation Easement Acquisition </div>		
<input type="checkbox"/> Site Improvement/Conservation Easement Acquisition Project area: Total Acres: SNC Portion (if different): _____ Total Miles (i.e. river or stream bank): SNC Portion (if different): _____	Select <u>one</u> primary Site Improvement/Conservation Easement Acquisition deliverable <input type="checkbox"/> Restoration <input type="checkbox"/> Enhancement <input type="checkbox"/> Resource Protection <input type="checkbox"/> Infrastructure Development / Improvement	

<div><div>For Conservation Easement Acquisitions Only</div><div><div><input type="checkbox"/> Appraisal Included</div><div><input type="checkbox"/> Will submit appraisal by _____</div></div></div>	<div><input type="checkbox"/> Conservation Easement</div>
<div><div><input checked="" type="checkbox"/> Pre-Project Activities</div></div>	<div><div>Select <u>one</u> primary Pre-Project deliverable</div><div><div><div><input type="checkbox"/> Permit</div><div><input type="checkbox"/> CEQA/NEPA Compliance</div><div><input type="checkbox"/> Appraisal</div><div><input checked="" type="checkbox"/> Plan</div></div><div><div><input type="checkbox"/> Condition Assessment</div><div><input type="checkbox"/> Biological Survey</div><div><input type="checkbox"/> Environmental Site Assessment</div></div></div></div>



Resolution Approving the Application for Grant Funds for the Sierra Nevada Conservancy Proposition 84 Grants Program under the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006

WHEREAS, the Legislature and Governor of the State of California have provided Funds for the program shown above; and

WHEREAS, the Sierra Nevada Conservancy (SNC) has been delegated the responsibility for the administration of a portion of these funds through a local assistance grants program, establishing necessary procedures; and

WHEREAS, said procedures established by the Sierra Nevada Conservancy require a resolution certifying the approval of an application by the Applicant's governing board before submission of said application to the SNC; and

WHEREAS, the Applicant, if selected, will enter into an agreement with the SNC to carry out the project; and

WHEREAS, Sierra Streams Institute has identified the Hirschman's Pond Healthy Forest Initiative as valuable towards meeting its mission and goals.

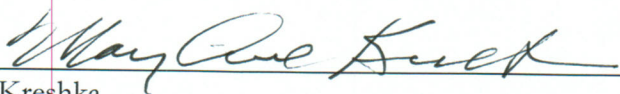
BE IT HEREBY RESOLVED by the Board of Directors of Sierra Streams Institute that this Board:

1. Approves the submittal of an application for the Hirschman's Pond Healthy Forest Initiative; and
2. Certifies that Applicant understands the assurances and certification requirements in the application; and
3. Certifies that Applicant or title holder will have sufficient funds to operate and maintain the resource(s) consistent with the long-term benefits described in support of the application; or will secure the resources to do so; and
4. Certifies that Applicant will comply with all legal requirements as determined during the application process; and
5. Appoints Joanne Hild, or designee, as agent to conduct all negotiations, execute and submit all documents, including but not limited to: applications, agreements, payment requests, and so on, which may be necessary for the completion of the aforementioned project.

PASSED AND ADOPTED by Sierra Streams Institute at a regular meeting held on the 13th day of December, 2011 by the following vote:

Ayes: 4 Nays: Abstain: Absent: 1

Attested by:


Mary Anne Kreshka
President, Board of Directors

a. Detailed Project Description Narrative

Project Summary: The proposal is an effort to complete pre-project planning, assessment and permitting for a brush and ladder-fuels reduction project on 85.34 acres at Hirschman's Pond, adjacent to downtown Nevada City. The project outcomes would include the development of a Land Management Plan for Hirschman's Pond, with the goal of guiding management of the property to maintain a healthy forest in perpetuity, to improve recreational opportunities, and to prevent catastrophic wildfires.

Healthy Forest/ Fire Safety benefits: The overall goal of the proposed project is to develop a plan for a healthy forest through the reduction of forest fuel loads, thereby reducing the risk of catastrophic fire, and subsequent erosion and sedimentation.

Maintaining a fire safe forest in the Hirschman's Pond area will prevent potential water quality impacts to Woods Ravine, a tributary of Deer Creek, by preventing erosion that ensues after catastrophic fires, and ensuring that the resulting sedimentation and nutrient additions to Woods Ravine are avoided.

Environmental Setting: Located adjacent to downtown Nevada City at 2631' elevation, Hirschman's Pond is a mixed conifer/oak woodland, centered on an artificial pond that is a relic of hydraulic mining operations. The city purchased the land in 2004-7 to preserve it for recreational purposes and developed a 2.4 mile trail, which roughly follows Hwy 49 from Cement Hill Road to Indian Flat Road. The project area includes Woods Ravine, a tributary to Deer Creek.

Project Description: The Hirschman's Pond Healthy Forest Initiative is offered by a partnership comprising Sierra Streams Institute (SSI) and the city of Nevada City, owners of the project land.

Hirschman's Pond is an 85.34 acre wildlife area surrounding a man-made pond. Despite its scenic beauty, Hirschman's Pond was actually created as a result of extensive hydraulic mining in the 19th century. Today, the property is infested by non-native plants, primarily Scotch broom and Himalayan blackberry. These non-native plants greatly increase the fire danger and their presence is contrary to the objectives of the City for management of the property, as stated in the city's *Hirschmans Pond Vision and Planning Study* (2010). The city's long term goal is complete removal of all non-native vegetation from the site and replanting with native vegetation, in order to improve

habitat for native wildlife, to increase recreational opportunities, and to reduce fire risk. Given the property's location, the need to reduce the risk of catastrophic fire is especially great. Within a quarter mile of the site are the historic buildings of Nevada City whose entire downtown is listed on the National Register of Historic Places; the headquarters of Tahoe National Forest; and the Nevada County Government Center with its County Administration Center, County Jail, Main Library, Mental Health Facility, Facilities maintenance center, county sheriff and emergency operations center. The recent development of a 2.4 mile trail system through the property has brought an increase in human interactions with the environment, and with it an increase in the risk of fire.

A short distance from the pond, the newly developed Hirschman's Pond Trail traverses Woods Ravine, a major tributary of Deer Creek, which flows into the Sacramento River and San Francisco Bay via the Yuba and Feather Rivers. A short spur trail follows Woods Ravine upstream for a quarter mile. Improvements to the vegetative complex in the area, and reduction of wildfire risk, would therefore have an important benefit for recreational use and overall watershed health in the Deer Creek watershed, by improving water quality, reducing erosion, and increasing native habitat. The steep narrow Deer Creek canyon immediately downstream of Nevada City, including Hirschman's Pond, poses an exceptionally high fire risk and was the location of the catastrophic 49er Fire in 1988. It has been identified as the #1 fire hazard in Nevada County as specified in the Community Wildlife Protection Plan developed by the Firesafe Council, Nevada County Fire Chiefs Council, and the Nevada County Board of Supervisors.

The project scope includes the completion of a comprehensive assessment and development of a Land Management Plan for Hirschman's Pond, with the goal of guiding management of the property to maintain a healthy forest and recreational resource in perpetuity. Once the plan is developed, we will complete permitting for the revegetation effort, including CEQA compliance.

It is anticipated that the management plan will recommend selective thinning strategies that have emerged as a new standard for fire prevention and control in forest ecosystems, involving the removal or modification of surface fuels, the felling of excess snags, prescriptive fires, and mechanical thinning to decrease overall stand density. The plan will focus on the inclusion of strategies to reduce the effects of climate change,

increasing carbon sequestration capacity and forest biodiversity, and improving the overall health of the ecosystem and its ability to overcome stresses caused by climate change. Selective reduction in tree density through careful thinning improves tree growth and vigor, increases live crown ratios, reduces insect and disease mortality, and promotes understory shrub development.

Project Goals:

1. Fuels Management: a) Improved overall forest ecosystem health and habitat structure; b) Implementation of wildfire prevention and safety measures; Establishment of firesafe rural communities, with economic and social benefits of reduced fire risk.

2. Invasive Species Removal: a) Reduction of fuel load; b) Reduction of competitive pressures on native flora; c) Elimination of non-native species and reduction of seed availability for downstream transport

3. Revegetation: a) Improvement in ecosystem stability and health; b) Preservation and restoration of native biodiversity and rare/endangered species; c) Increase in native food source, both plant and macroinvertebrate; d) Overall water quality improvement; and e) Restoration of native plant communities that are adapted to the natural fire regime, resulting in improved fire resiliency

4. Alignment with SNC Program Goals: The project clearly aligns with SNC's mission and addresses SNC's "triple bottom line" of environmental, economic and social well-being. Environmental benefits include improvement in forest health in a publicly owned open space recreational area adjacent to Nevada City; increased habitat resulting from removal of invasive vegetation and replanting with native plants; and reduction of the risk of catastrophic wildfire. Economic benefits will be achieved by increasing recreational opportunities in the vicinity of Nevada City, a carefully restored Gold Rush-era town in the Sierra Nevada, and ensuring that Nevada City is protected from catastrophic wildfire. Social well-being is achieved by improving the recreational amenity, the Hirschman's Trail.

Specific SNC program areas addressed by the project are:

- Protect, conserve and restore physical and living resources by improving vegetative complex, water quality, and habitat;

- Reduce the risk of wildfires by eliminating fire-prone invasive non-natives such as Scotch Broom;
- Protect and improve water quality by restoring native riparian vegetation;
- Enhance public use and enjoyment of public lands.

5. Consistency with Prop 84 goals:

The project directly supports the goals of Proposition 84 by contributing to the protection and restoration of rivers, streams, their watersheds and associated land, water, and other natural resources. The project has the following Land and Water Benefits:

- Develops a plan to protect the riparian and adjacent zones of Woods Ravine in the Deer Creek watershed
- Protects the biotic environment and the aesthetics of Hirschmans Pond, a scenic recreational area
- Reduces fire hazard to downtown Nevada City, the County administrative center and library, and surrounding residences – all in close proximity.
- Reduces the potential for post-fire erosion and resulting sedimentation and water quality impacts to Woods Ravine in the Deer Creek watershed.
- Fosters a sustainable healthy forest on the site.

b. Workplan and Schedule Narrative

Part of a Larger Project

The proposed vegetation management planning for Hirschman's Pond in the Deer Creek Canyon is part of an overall project that is composed of several phases. Phase I is complete and consists of Strategic Vision planning by the City of Nevada City. Phase II was acquisition of key parcels and easements to ensure continuity of access to the project area for recreational purposes. Phase III was development of a two mile trail system that roughly follows Hwy 49 and leads from Cement Hill, past Hirschman's Pond, across Woods Ravine, and terminating at Indian Flat Road. A spur trail follows Woods Ravine upstream for half a mile. Phase IV is the development of a land management plan to ensure the fire safety of the area and its continued viability as an open space recreational area. This last element is the subject of this proposal. Phase V is implementation of the Land Management Plan, including long-term maintenance

activities in perpetuity.

Workplan

The workplan outlined below includes specific tasks and subtasks, as well as deliverables and timeline for each task. This schedule assumes a September 1, 2012 start date and an August 31, 2014 end date. The project team is ready to proceed once funding is made available. At present, there are no foreseeable factors affecting the project's timeline.

Task 1: Project Management and Administration

The project team recognizes that project management and administration is a critical aspect of a successful project. In this task, Sierra Streams Institute will be responsible for reporting requirements, finalizing the workplan, developing and managing subcontracts, convening project team meetings with the City of Nevada City; maintaining regular communication with Nevada City City Council; developing and disseminating project information; coordinating with the Sierra Nevada Conservancy's grant manager; and trouble-shooting any issues. Subtasks include:

- 1.1 Convene project team meetings
- 1.2 Finalize workplan and budget
- 1.3 Draft and finalize subcontracts/grants
- 1.4 Manage project budget
- 1.5 Submit financial and performance reports
- 1.6 Draft and submit final report

Task 2. Data gathering

In this task, Sierra Streams Institute will involve the collection, review and desktop analysis of all existing data, photos and maps relating to the project area; and identification of data gaps.

- 2.1 Compile assessment data, topographical and parcel maps, photos and other data
- 2.2 Identify data gaps
- 2.3 Develop plan for on-the-ground surveys and assessment

2.4 Prepare report

Task 3. On the Ground Assessment

This task will follow and complement Task 2. Sierra Streams Institute will complete ground truthing of desktop data; on-the-ground surveys including cultural resources, topographical, vegetation, mammal/scat, reptile, amphibian and bird surveys and a hydrological assessment in order to develop a restoration and firesafe plan.

- 3.1 Conduct on the ground survey to confirm desktop data
- 3.2 Conduct comprehensive surveys and assessment
- 3.3 Prepare report

Task 4. Land Management Plan Development

In this task, Sierra Streams Institute will work with a consultant forester and the City of Nevada City to develop the plan for firesafe and ecological restoration, including addressing the intended use of biomass removed from the land.

- 4.1 Develop draft plan
- 4.2 Present draft to city staff
- 4.3 Revise draft, submit to City Council for approval

Task 5. CEQA and Permitting

Under this task, Sierra Streams Institute will ensure that the planning project is ready to proceed to the implementation phase with further funding. Working with the City and County planning departments, we will ensure that all environmental planning and permitting necessary for implementation of the Land Management Plan is completed.

- 5.1 Meet with City and County planning department staff to identify and plan for permitting requirements
- 5.2 Secure CEQA-compliance certification
- 5.3 Secure all needed permits

Partnership Roles: In the task list above, we outline the role of each partner in implementation of the project.

Detailed Project Deliverables	Timeline
Task 1	
Finalized workplan and budget	September 1, 2012
Finalized subcontracts/grants	October 15, 2012
Financial and performance reports to SNC	January 15, 2013, July 15, 2013, January 15, 2014, July 15, 2014
Report to Nevada City City Council	March 31, 2013, November 30, 2013, July 31, 2014
Draft Final Report	July 15, 2014
Final Report	August 31, 2014
Task 2	
Finalized Report of Existing Data	December 15, 2012
Task 3	
Final Survey and Assessment Report	July 1, 2013
Task 4	
Draft Land Management Plan	December 31, 2013
Final Land Management Plan	April 30, 2014
Task 5	
CEQA Documentation Completed	March 1, 2014
Permits Secured	June 15, 2014

c. Restrictions, Technical/Environmental Documents and Agreements Narrative

Restriction/Agreements: There are no restrictions or agreements in place that would adversely impact project completion. The city owns the project parcels and holds trail easements that connect the parcels.

Regulatory Requirements/Permits: The project planning process will identify any needed permits, depending on the scope of the project and whether any instream work is planned. Identification and acquisition of permits is included as a project task.

CEQA: The project scope will include securing compliance with CEQA, with the City of Nevada City acting as Lead Agency. It is expected that CEQA will require an initial study.

d. Organizational capacity narrative

SSI is a non-profit watershed science organization, founded in 1995 as Friends of Deer Creek to monitor Deer Creek on behalf of Nevada City during the construction of a road bridge over the creek. Since our founding, we have collected 11 years of monthly water quality monitoring data and have implemented numerous projects that address the issues affecting the creek, successfully working within time and budget constraints. We have successfully completed several restoration efforts throughout the watershed, including revegetation work and gravel augmentation. Long term success of our restoration work has been proven by analysis of our macroinvertebrate dataset.

SSI staff includes a biologist, geologist, hydrologist and chemist, all with considerable expertise in project management. Among SSI's board members and volunteers are a microbiologist, hydrogeologist, former agency head at the State Water Quality Control Board, and the former manager of Nevada City's wastewater treatment plant.

e. Cooperation and Community Support:

The project is a collaborative partnership between Sierra Streams Institute and the City of Nevada City, with additional support provided by the local non-profit Bear Yuba Land Trust. SSI was founded as a community-based partner to the city, with the goal of monitoring and protecting Deer Creek and its tributaries on behalf of the city. We have a 15 year history of successfully partnering with the city on countless monitoring and restoration projects since our founding. Our partnership with the Bear Yuba Land Trust includes our work on the Deer Creek Tribute Trail, in which BYLT was responsible for the bulk of the trail development tasks, while we provided overall management, monitoring, restoration, and trail construction.

The present proposal emerged from the *Hirschman's Pond Vision and Planning Study* (2010). The study is the result of a process initiated by the city's Recreation Committee, which established the goal in 2008 of creating a Master Plan for Hirschman's Pond. The resulting draft Vision and Planning Study was reviewed by city staff and the Recreation Committee, and a revised draft was presented to the Planning Commission on February 18, 2010. Opportunity was provided for public comment and a new draft was presented to the City Council. With further amendments, the City Council adopted the document on March 10, 2010. The Study called for the development of a long term land

management plan to ensure the viability of the area as an open space area for recreational purposes. This proposal is an effort to develop this plan.

The Hirschman's Pond Trail system was developed by the Bear Yuba Land Trust in 2010, and the section alongside the pond itself was constructed to ADA-accessible standards in 2011. The trail system has greatly increased the accessibility and sense of stewardship of the community for the wellbeing of this tranquil haven.

Letters of support from the City of Nevada City and Bear Yuba Land Trust are attached.

f. Long Term Management and Sustainability Narrative:

Long term management is addressed in the Vision and Planning Study, which notes that the funded trail project in the area includes some money for vegetation management. Moreover, the Hirschman's Pond trail project was managed by Bear Yuba Land Trust, a well-established local group who have developed and maintained a great many local trails, supported by a broad donor base. The city of Nevada City retains responsibility for the long term maintenance of trails on city land. The Vision and Planning Study notes the need to pursue additional resources, such as the present proposal, in order to expand the scope of revegetation efforts. SSI will monitor and remediate the reemergence of non-native invasive vegetation and ensure the continued fire-safe composition of the forest. The City of Nevada City in partnership with the Bear Yuba Land Trust will continue to manage the recreational and educational uses of the trail.

g. Performance Measures Narrative:

Performance Measure	Target
Number of Collaboratively Developed Plans and Assessments	Collaboratively developed plan: <i>Hirschmans Pond Land Management And Firesafe Plan</i>
Number and Diversity of People Reached	Diversity of Participants: General public: 100 Community volunteers: 10 Conservation groups/individuals: 5 Landowner groups/individuals: 30 Resource Professionals: 3 Government officials: 20
Number and Types of Jobs Created	Professional: Number of people employed: 4

	length of employment: 3 years average # of hours/week: 15 season of employment (winter, spring, summer, fall): All
Number and Value of New, Improved or Preserved Economic Activity	Type(s) of products and services provided: Tourism Total number of new, improved, or preserved products and services: 1 (Trail use) Estimated annual dollar value of new or improved products and services: Not quantifiable until implementation phase
Resources Leveraged for the Sierra Nevada	# of volunteer hours: 750 In-kind contributions: \$17,250

Appendix B3

SIERRA NEVADA CONSERVANCY PROPOSITION 84 - DETAILED BUDGET FORM

Project Name: Hirschmans Pond Healthy Forest Initiative _____

Applicant: Sierra Streams Institute _____

SECTION ONE DIRECT COSTS	Year One	Year Two	Year Three	Year Four	Year Five	Total
Task 2: Data Gathering	\$4,000.00					\$4,000.00
Task 3: On the Ground Assessment	\$2,000.00	\$7,500.00	\$7,500.00			\$17,000.00
Task 4: Plan Development (SSI)	\$2,000.00	\$2,000.00	\$6,000.00			\$10,000.00
Task 4: Plan Development (City)	\$1,200.00	\$1,200.00	\$1,200.00			\$3,600.00
Task 5: CEQA and Permitting		\$5,000.00	\$20,000.00			\$25,000.00
DIRECT COSTS SUBTOTAL:	\$9,200.00	\$15,700.00	\$34,700.00	\$0.00	\$0.00	\$59,600.00

SECTION TWO OPERATIONS AND MAINTENANCE	Year One	Year Two	Year Three	Year Four	Year Five	Total
Task 1: Project Management	\$2,000.00	\$2,000.00	\$2,000.00			\$6,000.00
Task 4: Outreach Materials	\$400.00	\$400.00	\$400.00			\$1,200.00
INDIRECT COSTS SUBTOTAL:	\$2,400.00	\$2,400.00	\$2,400.00	\$0.00	\$0.00	\$7,200.00
PROJECT TOTAL:	\$11,600.00	\$18,100.00	\$37,100.00	\$0.00	\$0.00	\$66,800.00

SECTION THREE Administrative Costs (Costs may not to exceed 15% of total Project Cost) :						Total
Overhead (12%)	\$2,733.00	\$2,733.00	\$2,734.00			\$8,200.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
ADMINISTRATIVE TOTAL:	\$2,733.00	\$2,733.00	\$2,734.00	\$0.00	\$0.00	\$8,200.00
SNC TOTAL GRANT REQUEST:	\$14,333.00	\$20,833.00	\$39,834.00	\$0.00	\$0.00	\$75,000.00

SECTION FOUR OTHER PROJECT CONTRIBUTIONS	Year One	Year Two	Year Three	Year Four	Year Five	Total
<i>List other funding or in-kind contributors to project (i.e. Sierra Business Council, Department of Water Resources, etc.)</i>						
SSI Volunteer Monitors	\$4,000.00	\$4,000.00	\$4,000.00			\$12,000.00
Greater Cement Hill Neighborhood Association - Scotch Broom Challenge	\$1,000.00	\$1,000.00	\$1,000.00			\$3,000.00
Bear Yuba Land Trust	\$750.00	\$750.00	\$750.00			\$2,250.00
						\$0.00
						\$0.00
Total Other Contributions:	\$5,750.00	\$5,750.00	\$5,750.00	\$0.00	\$0.00	\$17,250.00

NOTE: The categories listed on this form are examples and may or may not be an expense related to the project. Rows may be added or deleted on the form as needed. Applicants should contact the SNC if questions arise.

* Operating Costs should be allocated to the percentage that is applicable to the grant based on your cost allocation methodology and cannot exceed 15% of your total project costs.



City of Nevada City

January 12, 2012

Sierra Nevada Conservancy
11521 Blocker Dr.
Auburn, CA 95603

To Whom It May Concern:

This letter is being written in regards to the Proposition 84 Healthy Forests Grant Program. The City of Nevada City owns the property known as Hirschman's Pond and Indian Trails Open Space, located in Nevada City, CA. There are several parcels that were acquired by the City between 2004 and 2007. In the City's General Plan, adopted in 1985, Hirschman's Pond was noted as property that the City might like to acquire and maintain as open space for the purposes of keeping the areas surrounding Nevada City undeveloped and available to residents for passive recreational purposes. In 2010, the City accepted the Vision and Planning Study for Hirschman's Pond. This document stated as a future goal that for purposes of protecting the trail through the site and for fire reduction; a Forest Management Plan should be created for the property.

The City has in the past and will in the future allow groups such as the Bear Yuba Land Trust, Sierra Streams Institute and Nevada County Fire Safe Council, access to the property for the purposes of doing fire clearing and invasive, non-native plant removal. In cooperation with the Bear Yuba Land Trust, Nevada County Fire Safe Council and the Sierra Club, there have been several work days designated to remove Scotch Broom, a non-native, invasive plant, on the property.

Regards,

David Brennan
City Manager



City of Nevada City

January 12, 2012

Sierra Nevada Conservancy
11521 Blocker Dr.
Auburn, CA 95603

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Regards,

A handwritten signature in black ink, reading "David Brennan", followed by a horizontal line.

David Brennan
City Manager



Fire Safe Council of Nevada County
P.O. Box 1112
Grass Valley, CA 95945
Phone (530) 272-1122
Fax (530) 272-3232
www.areyoufiresafe.com

January 19, 2012

Sierra Nevada Conservancy
11521 Blocker Drive, Suite 205
Auburn, CA 95603

Subject: Letter of Support for Sierra Streams Institute Hirschman's Pond Healthy Forest Initiative application for Proposition 84 Healthy Forests Grant Program

To Whom It May Concern:

The Fire Safe Council of Nevada County is pleased to provide our support the grant proposal developed Sierra Streams Institute for the Hirschman's Pond Healthy Forest Initiative. The project will complete the planning and permitting for a fuels reduction project targeting Hirshman's Pond located on the outskirts of historic Nevada City, in the Deer Creek watershed.

The Deer Creek canyon in the Nevada City area was identified as the highest priority for fuels reduction treatments in the Nevada County Community Wildfire Protection Plan due to community development in the wildland urban interface. The high concentration of ladder fuel vegetation including Scotch broom in close proximity to residential development is problematic for defensible space requirements. New trails in the area have brought an increase in human traffic and therefore an increased fire risk of ignition. The City of Nevada City is formally listed as a Community at Risk to catastrophic wildfire on the national register.

Thank you in advance for your consideration. Please do not hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink, reading "Joanne Drummond".

Joanne Drummond
Executive Director



**Bear Yuba
LAND TRUST**

Formerly Nevada County Land Trust

January 18, 2012

Board of Directors

Fran Cole
President

Joe Byrne
Vice-President

Jason Muir
Secretary

Jim Bair
Rebecca Coffman
Brent Fraser
Sue Hoek
Dave Palley
Jack Stillens
Bill Trabucco

Jim Ward
Interim Treasurer

Staff

Marty Coleman-Hunt
Executive Director

Jean Gilbert
Operations Manager

Bill Haire
Trails Coordinator

Larry Gruver
Trails Coordinator

Kaye Wedel
Outreach Coordinator

Melony Vance
Treks Coordinator

Erin Tarr
Stewardship Coordinator

Chris Gee
AmeriCorps Member

Sierra Nevada Conservancy
11521 Blocker Drive Suite 205
Auburn, CA 95603

Dear Grant Reviewer:

Bear Yuba Land Trust is pleased to affirm our support for the Hirschman's Pond Healthy Forest Initiative proposed by Sierra Streams Institute. Their proposed effort to complete planning and permitting for a comprehensive forest and land management program and fire safety planning effort for Hirschman's Pond and the surrounding forested landscape is an important effort in improving critical Yuba River watershed lands, important aquatic wildlife habitat, and protecting the surrounding urban area from catastrophic wildfire.

Bear Yuba Land Trust was recently completed the design and construction of a multi-use trail system through the Hirschman's Pond area, which has resulted in a significant increase in the number of visitors to the area. The trail highlights the natural beauty of this scenic recreational asset located a short distance from downtown Nevada City, and offers an important opportunity to showcase healthy forestry practices. Moreover, the area is extremely fire prone and a threat to the historic Nevada City downtown area, and such dangers always increase with any increase in human use as with this new trail. We strongly support any effort to protect our natural and recreational resources for the enjoyment of future generations of trail users.

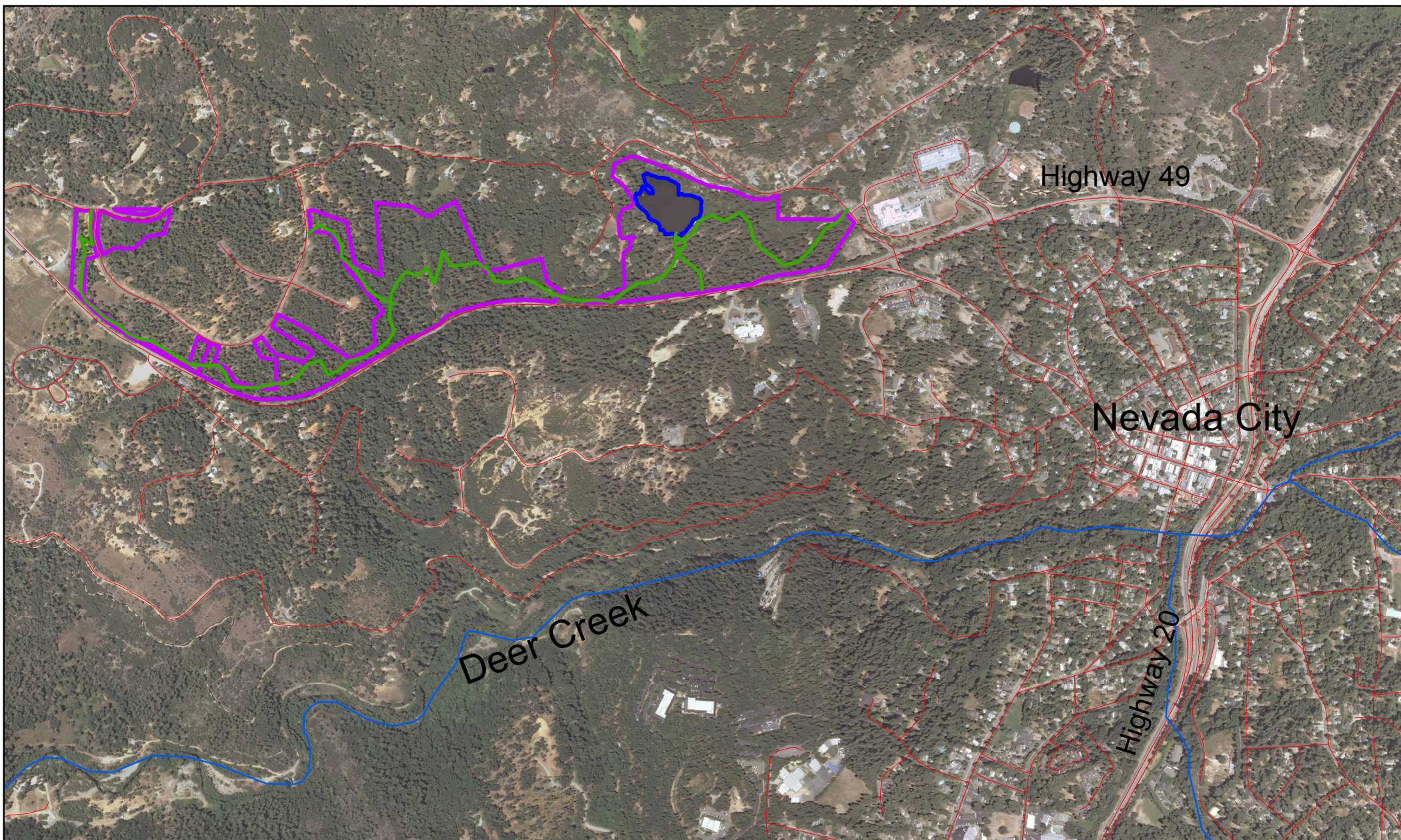
Please feel free to contact me if I can provide any further information.

Marty Coleman-Hunt
Executive Director








www.BearYubaLandTrust.org

12183 Auburn Rd, Grass Valley CA 95949
phone: (530) 272 5994 • fax: (530) 272 5997



Legend

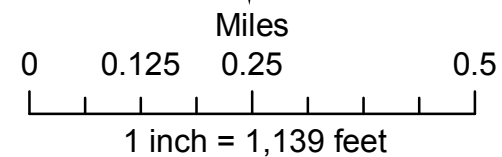
-  Creeks
-  Roads
-  Hirschmans Pond Trail
-  Hirschmans Pond
-  Hirschmans Pond Parcels

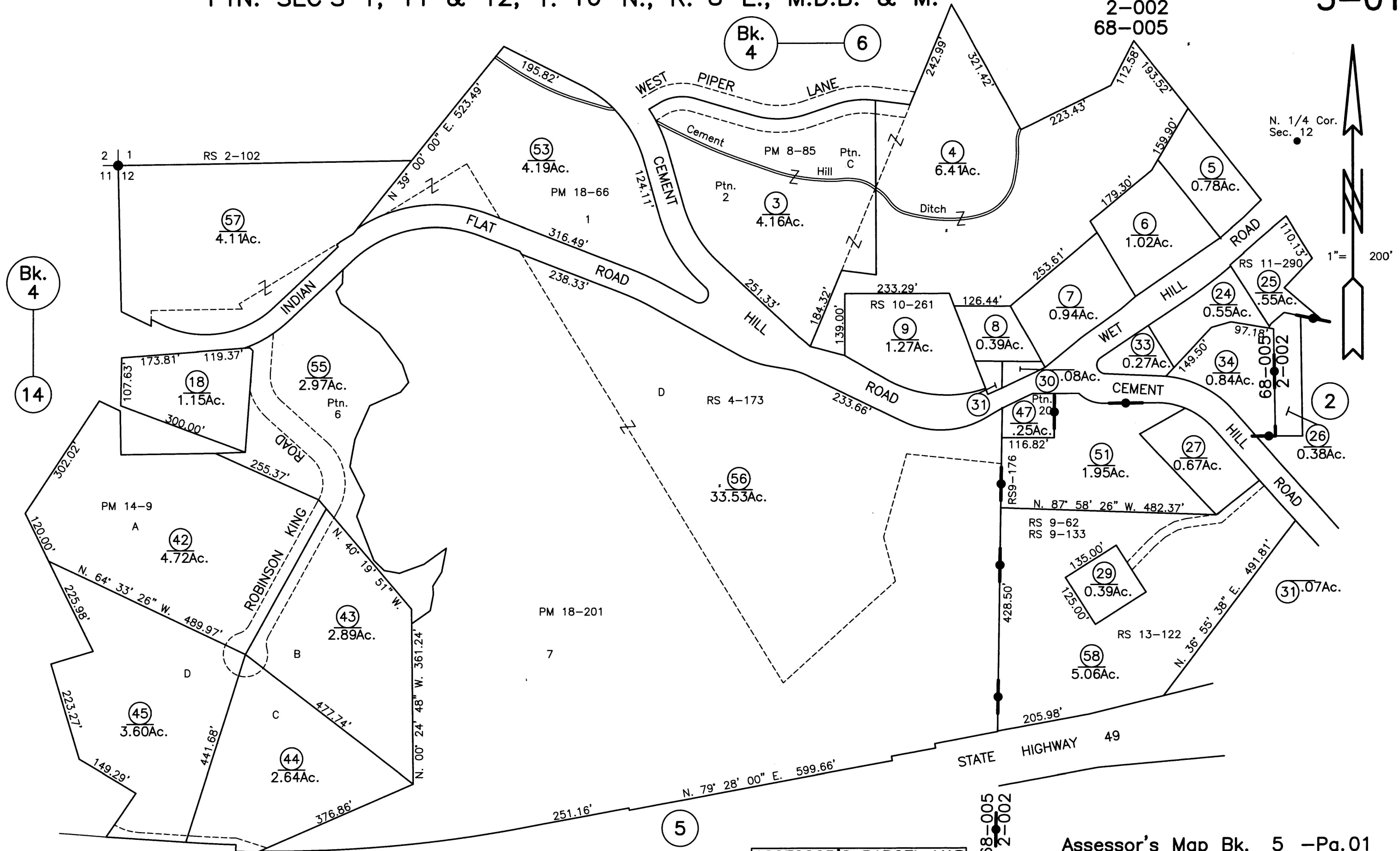
Sierra Nevada Conservancy Grant

Hirschman's Pond Healthy Forest Initiative

Sierra Streams Institute

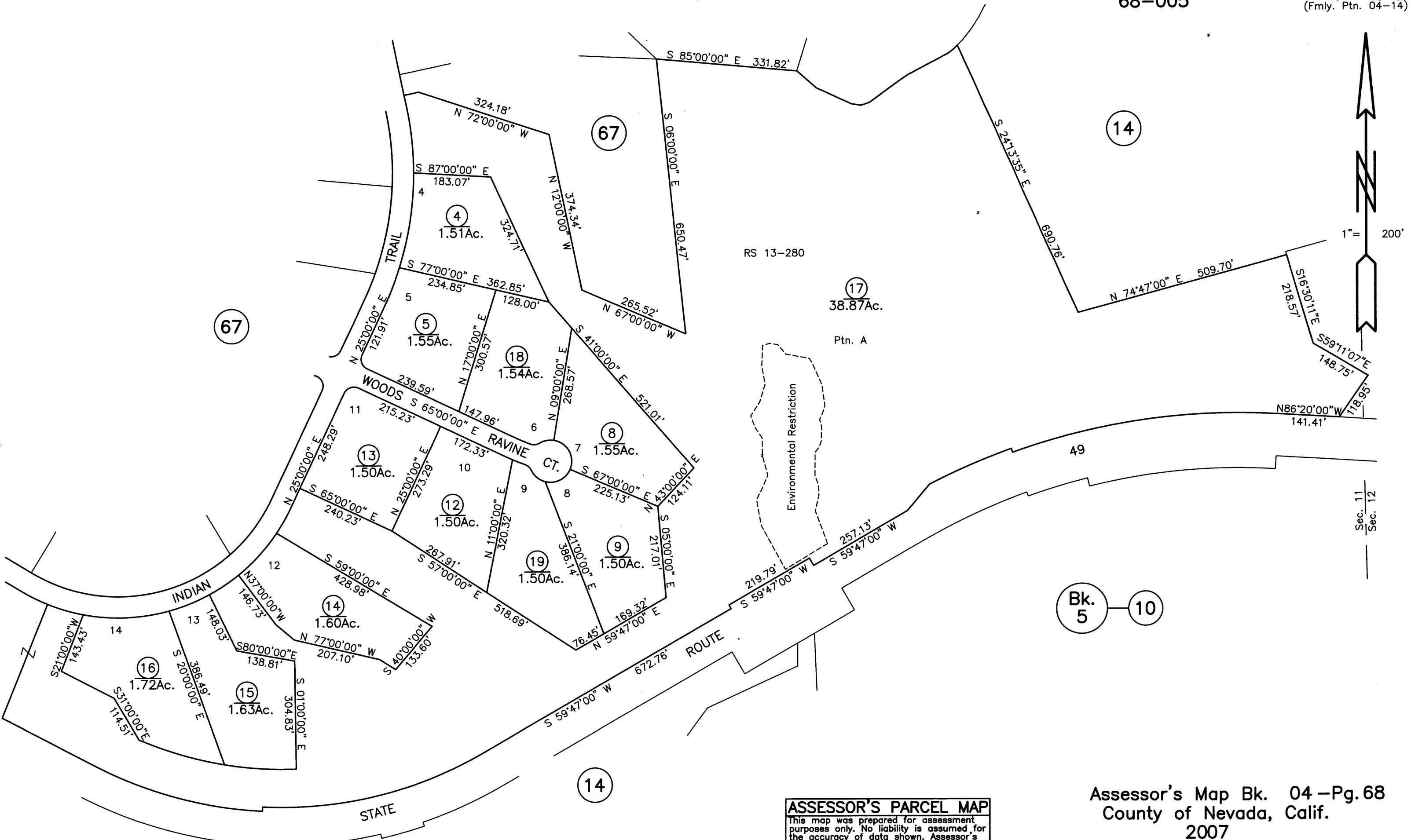
Project Location Map





1" = 200'

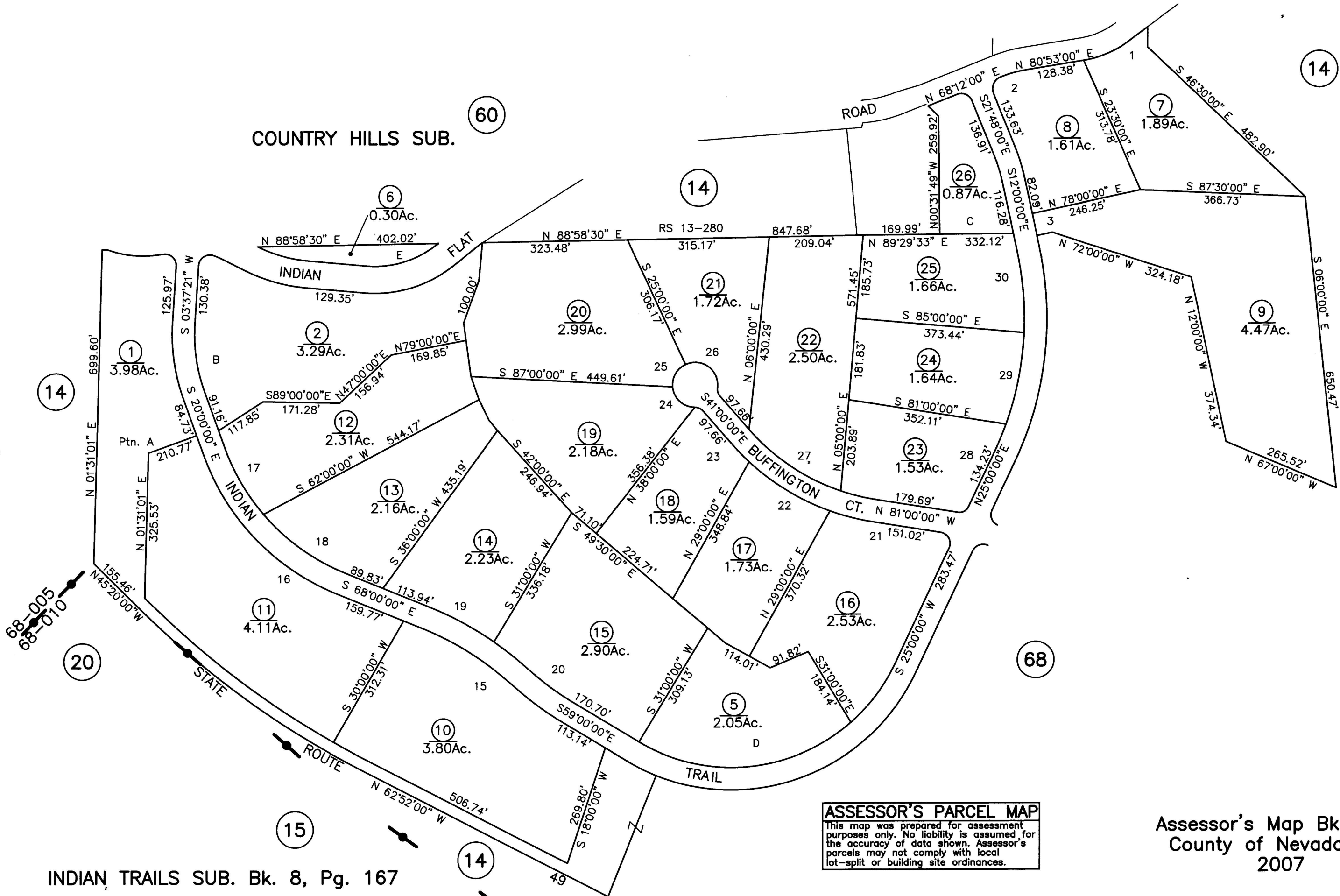
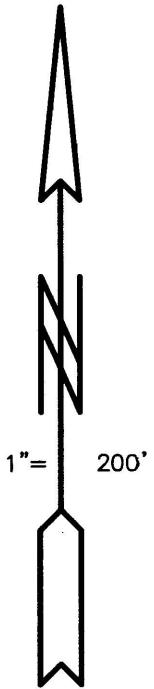
Sec. 11
Sec. 12



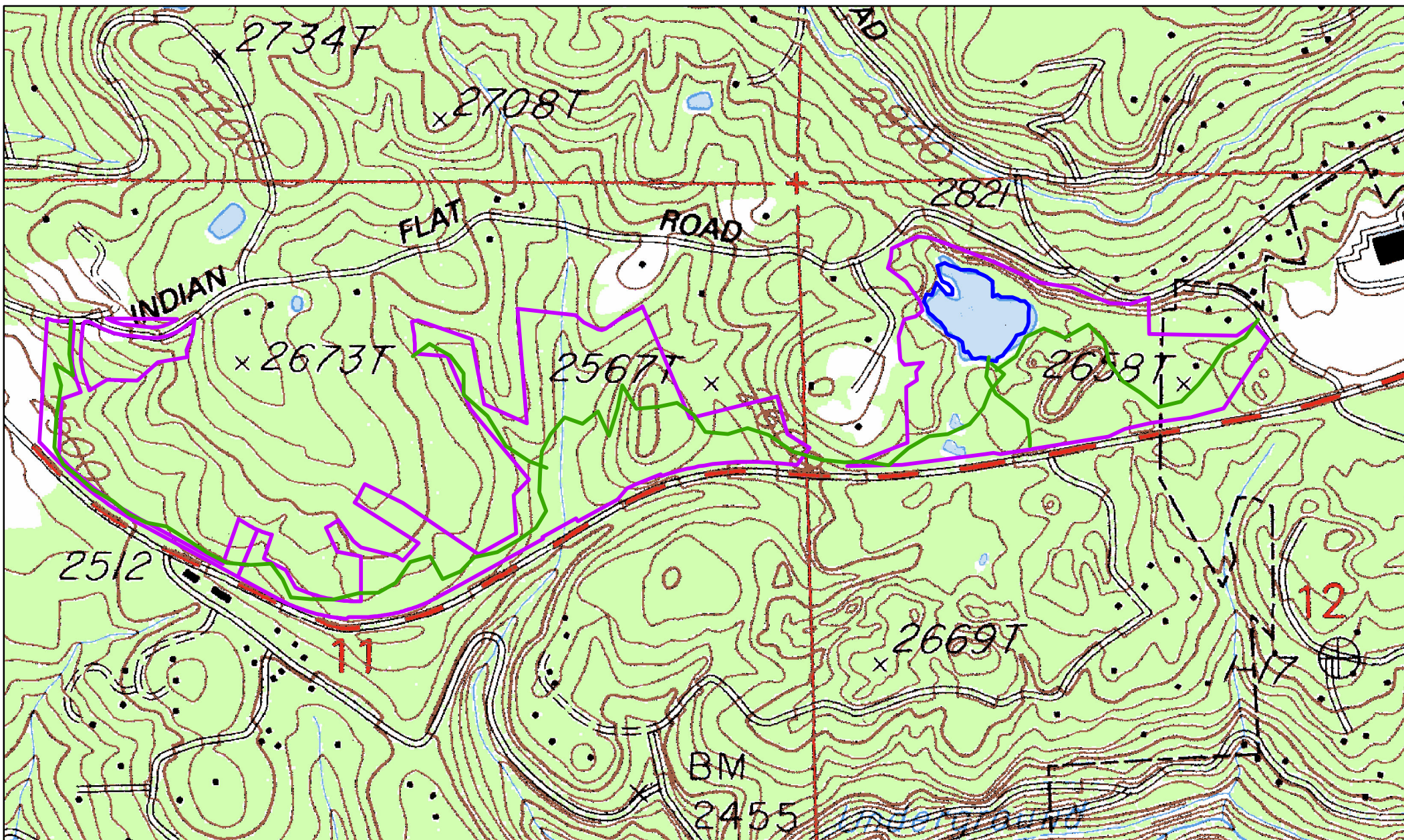
ASSESSOR'S PARCEL MAP
This map was prepared for assessment purposes only. No liability is assumed for the accuracy of data shown. Assessor's parcels may not comply with local lot-split or building site ordinances.

Assessor's Map Bk. 04 -Pg. 68
County of Nevada, Calif.
2007




TMc 08/07



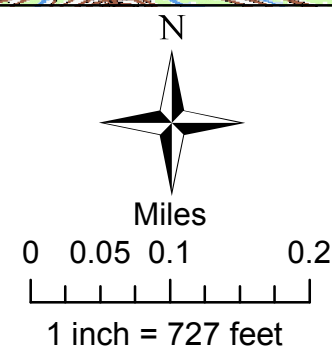
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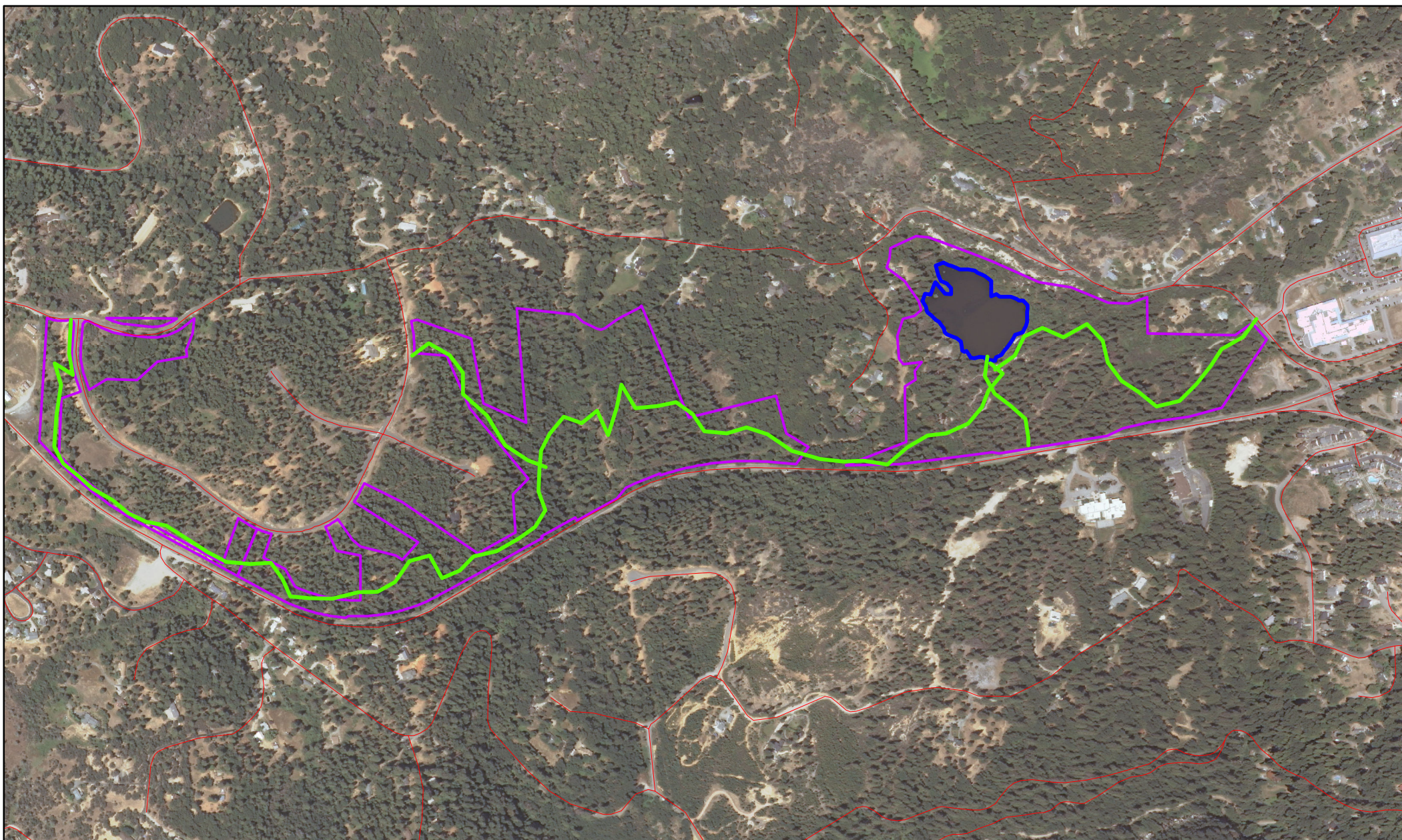


Legend





-  Hirschmans Pond Trail
-  Hirschmans Pond
-  Hirschmans Pond Parcels

Sierra Nevada Conservancy Grant
Hirschman's Pond Healthy Forest Initiative
Sierra Streams Institute
Site Plan - Topo





Legend

-  Hirschmans Pond Trail
-  Roads
-  Hirschmans Pond
-  Hirschmans Pond Parcels

Sierra Nevada Conservancy Grant

Hirschman's Pond Healthy Forest Initiative

Sierra Streams Institute

Site Plan - Aerial

